

Title (en)

Pharmaceutically active copolymers, process for their preparation and pharmaceutical compositions containing them.

Title (de)

Pharmazeutisch aktive Copolymerisate, Verfahren zur Herstellung und die Copolymerisate enthaltende pharmazeutische Zusammensetzungen.

Title (fr)

Copolymères pharmaceutiquement actifs, leur procédé de préparation et compositions pharmaceutiques contenant les copolymères.

Publication

EP 0093489 A2 19831109 (EN)

Application

EP 83301268 A 19830308

Priority

HU 97482 A 19820331

Abstract (en)

The invention relates to new, pharmaceutically active copolymers with heparin-like activity, pharmaceutically acceptable salts thereof and a process for their preparation. The new copolymers comprising the units of the general formula /I/derived from /meth/acrylic acid or an ester thereof /X stands for hydrogen or methyl and Y is hydrogen/, units of the formula /III/optionally units of the general formula /II/'Z' is hydrogen/, and chain terminating units, formed from the units of the formulae /I/, /III/ and optionally /II/ under the conditions of copolymerization, in a statistical arrangement, and the pharmaceutically acceptable salts thereof, which contain, in addition to the above chain-members, units of the general formulae /IV/ and/or /V//X has the same meaning as defined above, and A is a cation/ satisfactorily replace the organogenic heparin, or give a synergistic combination with that.

IPC 1-7

C08F 220/00; **C08F 8/44**; **A61K 31/78**

IPC 8 full level

C08F 16/00 (2006.01); **A61K 31/78** (2006.01); **A61K 31/795** (2006.01); **A61L 33/06** (2006.01); **A61P 7/02** (2006.01); **C08F 8/44** (2006.01); **C08F 16/02** (2006.01); **C08F 20/00** (2006.01); **C08F 216/00** (2006.01); **C08F 216/06** (2006.01); **C08F 220/00** (2006.01); **C08F 220/04** (2006.01); **C08F 228/00** (2006.01)

CPC (source: EP US)

A61K 31/78 (2013.01 - EP US); **A61K 31/795** (2013.01 - EP US); **A61L 33/064** (2013.01 - EP US); **A61P 7/02** (2018.01 - EP); **C08F 220/04** (2013.01 - EP US); **C08F 228/00** (2013.01 - EP US)

C-Set (source: EP US)

1. **A61K 31/74** + **C08L 33/00** + **C08L 29/04**
2. **A61L 33/064** + **C08L 33/00** + **C08L 29/04**
3. **C08F 220/04** + **C08F 228/00**
4. **C08F 228/00** + **C08F 220/04**
5. **A61L 33/064** + **C08L 33/00**

Cited by

EP0852238A3; EP0321924A3; EP0866080A3; FR2861308A1; EP0927217A4; EP0928306A4; US6365692B1; EP0852237A3; EP0878491A3; AU2004285318B2; EP2229947A3; EP2260853A3; EA010945B1; EP3650054A4; EP0384532A1; US5292505A; GB2589457A; GB2589457B; GB2604705A; US6417000B1; US8790631B2; WO2005041986A3

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0093489 A2 19831109; **EP 0093489 A3 19841227**; **EP 0093489 B1 19860903**; AT E21915 T1 19860915; AU 1300783 A 19831006; AU 570200 B2 19880310; DE 3365785 D1 19861009; GR 77988 B 19840925; HU 187669 B 19860228; IL 68123 A0 19830615; JP H0322891 B2 19910327; JP S58173111 A 19831012; US 4530964 A 19850723; ZA 831704 B 19831130

DOCDB simple family (application)

EP 83301268 A 19830308; AT 83301268 T 19830308; AU 1300783 A 19830330; DE 3365785 T 19830308; GR 830170950 A 19830331; HU 97482 A 19820331; IL 6812383 A 19830314; JP 4731083 A 19830323; US 47846883 A 19830324; ZA 831704 A 19830311